



## **MSDS – One Part RTV's**

GT Products inc.  
**MATERIAL SAFETY DATA SHEET**

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PRODUCT: GT Products® 1100

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1. PRODUCT AND COMPANY IDENTIFICATION

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**Distributed by:**

GT Products® inc.  
501 Industrial Blvd.  
Grapevine, TX 76051

Tel: 817 / 481-7113  
Fax: 817 / 421-1211

**Date:** 11/12/98 by: RAF

**Chemical Type /Description:** Silicone RTV Sealant

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2. HAZARDOUS INGREDIENTS

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	<u>%</u>	<u>TLV</u>	<u>CAS No.</u>
Ethyltriacetoxysilane	2	NA	004253343

Note: acetic acid is formed on contact with moisture. Provide adequate ventilation to control exposures below OSHA PEL of TWA 10 ppm

This product contains crystalline silica which is classified as a hazard by inhalation with dust and classified as an agent which is probably carcinogenic to humans by IARC. We do not consider that this product falls under Group 2A in IARC because dust will not occur in any anticipated handling situation.

**NFPA RATING**

**FLAMMABILITY: 1**

**REACTIVITY: 0**

**HEALTH: 2**

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3. EFFECTS OF EXPOSURE

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**Potential Health Effects:**

**Ingestion:** None expected  
**Skin Contact:** Mildly irritating,  
**Inhalation:** Over exposure will irritate eyes, nose, and throat  
**Eye Contact:** Will irritate, burning sensation

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4. FIRST AID MEASURES

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**Ingestion:** No first aid needed  
**Skin:** Remove with dry towel, then wash with soap and water  
**Eyes:** Rinse 15 min with running water  
**Inhalation:** Remove to fresh air.  
**Other:** NA

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5. FIRE FIGHTING INFORMATION

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**Flash Point (Method):** NA (solid)  
**Flammability Class:** None  
**Flammability Limits in Air:** NA  
**Extinguishing Media:** All standard media for chemical fires

**Hazardous Combustion Products:** None

**Special Fire Fighting Notes:** None

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## 6. ACCIDENTAL RELEASE MEASURES

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Dam and pick up with absorbent material such as clay

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## 7. HANDLING AND STORAGE

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**Handling:** No special precautions

**Storage:** Store in cool closed containers, avoid contact with water (humidity)

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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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**Engineering Controls:** Local exhaust

**Personal Protective Equipment**

**Eyes:** Safety glasses

**Skin:** Rubber or plastic gloves

**Inhalation:** OSHA approved organic vapor respirator

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

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**Physical State:** Paste

**Color:** Varies

**Odor:** Acetic acid

**Boiling Point:** NA

**Vapor Density (air = 1):** Na

**Specific Gravity:** 1.04

**Solubility in Water:** No

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## 10. STABILITY AND REACTIVITY

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**Chemical Stability:** Stable

**Hazardous Polymerization:** None

**Decomposition Products:** CO CO<sub>2</sub>, SiO<sub>2</sub>,

**Materials to Avoid:** Water

**Conditions to Avoid:** Moisture in air,

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## 11. TOXICOLOGICAL INFORMATION

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None available

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12. ECOLOGICAL INFORMATION

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None available

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13. DISPOSAL CONSIDERATIONS

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Disposal should be made in accordance with state and local regulations.

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14. TRANSPORT INFORMATION

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**DOT SHIPPING NAME:** None  
**DOT HAZARD CLASS:** None  
**UN/NA Number:** None

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15. REGULATORY INFORMATION

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**TSCA INVENTORY STATUS:** listed

**SARA TITTLE III / CERCLA**

**SECTION 302 EXTREMELY TOXIC:** No  
**SECTION 304 CERCLA HAZARD:** No  
**SECTION 311 / 312 HAZARD CLASS:** No  
**SECTION 313 TOXIC CHEMICALS:** No

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16. OTHER INFORMATION

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We believe the above information is correct as of the date of this data sheet. However, as this information and the conditions under which the product are used are beyond the control of GT PRODUCTS, INC., it is the user's obligation to determine the conditions for his safe use of the product. No warranty, expressed or implied, is hereby made.

GT Products, Inc.  
**MATERIAL SAFETY DATA SHEET**

PRODUCT

GT Products® GT-2100  
Silicone Sealant

1. PRODUCT AND COMPANY IDENTIFICATION

**Manufactured by:**

GT Products, Inc.  
501 Industrial Blvd.  
Grapevine, TX 76051

Telephone: (800) 421-0866  
(817) 481-7113  
Fax: (817) 421-1211  
**gtproducts.com**

**Date Prepared/Revised:**

7 April 2005

by: MLD

**Chemical Type/Description:**

Silicone Elastomer

2. HAZARDOUS INGREDIENTS

<u>Component</u>	<u>% (Approx.)</u>	<u>ACGIH TLV</u>	<u>CAS No.</u>
Methyltriacetoxysilane	1-5	See 'Comments'	4253-34-3
Ethyltriacetoxysilane	1-5	See 'Comments'	17689-77-9

Comments: Acetic acid is formed upon contact with water or humid air. Provide adequate ventilation to control exposures within guidelines of OSHA PEL: TWA 10 ppm and ACGIH TLV: TWA 10 ppm, STEL 15 ppm.

This product contains Methylpolysiloxanes, which can generate Formaldehyde at approximately 300°F (150°C) and above, in atmospheres which contain oxygen. Formaldehyde is a skin, eye, and throat irritant, is toxic and a potential cancer hazard.

**HMIS RATING:**

**FLAMMABILITY: 1**

**REACTIVITY: 0**

**HEALTH: 1**

3. EFFECTS OF EXPOSURE

**Potential Health Effects:**

**Ingestion:** Ingestion of high doses can cause digestive discomfort.  
**Skin Contact:** May irritate.  
**Inhalation:** Excessive exposure to vapor may irritate nose, eyes, and throat.  
**Eye Contact:** Direct contact may irritate with redness and swelling.

4. FIRST AID MEASURES

**Ingestion:** If swallowed dilute with water and immediately seek medical attention if adverse symptoms noted.  
**Skin:** Remove with dry towel, then wash with soap and water.  
**Eyes:** Rinse 15 minutes with running water. Seek medical attention if irritation persists.  
**Inhalation:** Seek fresh air if needed.  
**Other:** Not applicable.

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5. FIRE FIGHTING INFORMATION

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**Flash Point (Method):** NA  
**Flammability Class:** None.  
**Flammability Limits in Air:** Not determined.  
**Extinguishing Media:** All standard media for chemical fires.  
**Hazardous Combustion Products:** CO, CO<sub>2</sub>, SiO<sub>2</sub>, H<sub>2</sub>CO, CH<sub>3</sub>CO<sub>2</sub>H  
**Special Fire Fighting Notes:** Like all silicones, GT Products® GT-2100 can produce formaldehyde when strongly heated in air.

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6. ACCIDENTAL RELEASE MEASURES

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Pick up spilled material with absorbent clay, then wash area thoroughly with water and detergent. Spilled material is very slippery.

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7. HANDLING AND STORAGE

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**Handling:** Avoid contact with eyes and skin.  
**Storage:** Store in cool (<105F), closed and dry containers. Keep away from water or moisture.

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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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**Engineering Controls:** Good general ventilation.  
**Personal Protective Equipment**  
**Eyes:** Safety glasses.  
**Skin:** Rubber or plastic gloves as desired.  
**Inhalation:** Good local mechanical ventilation. NIOSH approved respirators should be used if the mechanical ventilation proves inadequate.

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9. PHYSICAL AND CHEMICAL PROPERTIES

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**Physical State:** Paste  
**Color:** Translucent, red, black, white, aluminum  
**Odor:** Acetic acid  
**Boiling Point:** Will not boil.  
**Vapor Density (air = 1):** 2.1 (for acetic acid)  
**Specific Gravity:** 1 – 1.06  
**Solubility in Water:** None

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10. STABILITY AND REACTIVITY

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**Chemical Stability:** Stable (product cures on contact with moisture).  
**Hazardous Polymerization:** No.

# GT Products

**Decomposition Products:** Only in fire conditions, see section 5.  
**Materials to Avoid:** Oxidizing material.  
**Conditions to Avoid:** Keep tightly sealed to avoid contamination.

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## 11. TOXICOLOGICAL INFORMATION

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See section 3.

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## 12. ECOLOGICAL INFORMATION

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None available

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## 13. DISPOSAL CONSIDERATIONS

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Disposal should be made in accordance with state and local regulations. Small amounts that have been allowed to fully cure (no more acetic acid odor) may be discarded in the trash.

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## 14. TRANSPORT INFORMATION

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**DOT SHIPPING NAME:** Not regulated.  
**DOT HAZARD CLASS:** None.  
**UN/NA Number:** None.

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## 15. REGULATORY INFORMATION

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**TSCA INVENTORY STATUS:** This material or all of its contents are listed on the Toxic Substances Control Act (TSCA)

**SARA TITLE III / CERCLA**

**SECTION 302 EXTREMELY TOXIC:** This material contains no Extremely Hazardous Substances (EHS).

**SECTION 304 CERCLA HAZARD:** This material contains no Extremely Hazardous Substances (EHS) and is not on the CERCLA list.

**SECTION 311 / 312 HAZARD CLASS:** This material meets the acute hazard criteria (one of the five hazard criteria) and must be included in Tier I or II reports if, at any one time, you have 10,000 pounds or more on site.

**SECTION 313 TOXIC CHEMICALS:** This material and its contents are not listed or required to be included in any Toxic Chemical Release Inventory (TRI) reports.

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## 16. OTHER INFORMATION

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We believe the above information is correct as of the date of this MSDS. However, as this information and the conditions under which the product are used are beyond the control of GT PRODUCTS, INC., it is the user's obligation to determine the conditions for the safe use of the product. No warranty, expressed or implied, is hereby made.

# MATERIAL SAFETY DATA SHEET

## SECTION I - PRODUCT INFORMATION

PRODUCT NAME(S): **GT Products<sup>o</sup>2100 RED**

CHEMICAL NAME OR CLASS: Silicone sealant

GT PRODUCTS INC.  
609 INDUSTRIAL BLVD.  
GRAPEVINE, TX 76051

PHONE NO. (817)-481-7113  
FAX NO. (817)-421-1211

NFPA CODES:	HAZARD RATINGS:
HEALTH: 1	4 = SEVERE
FLAMMABILITY: 1	3 = SERIOUS
REACTIVITY: 0	2 = MODERATE
	1 = SLIGHT
	0 = MINIMAL

HAZARD CLASS: None

## SECTION II -- HAZARDOUS INGREDIENTS

<u>COMPONENT</u>	<u>AMOUNT</u>	<u>TLV</u>	<u>CAS NO.</u>
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None

Note: Acetic acid is formed on contact with moisture. Use ventilation to maintain TLV below 10ppm.

All components are listed on the TSCA inventory  
No known ozone depleting chemicals are used in the manufacture of this product.

## SECTION III - PHYSICAL AND CHEMICAL DATA

BOILING POINT	NA
VAPOR PRESSURE	NA
SPECIFIC GRAVITY:	1.04
MELTING POINT	Unknown
SOLUBILITY IN WATER:	None
APPEARANCE AND ODOR:	Red paste, Vinegar-like odor

# MATERIAL SAFETY DATA SHEET

Note: Data is not intended for writing specifications.

## SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (METHOD)\* NA (paste)

FLAMMABILITY CLASSIFICATION: none

EXTINGUISHING MEDIA: Use standard fire fighting techniques; water, dry chemical, foam

(\*) Value for material or lowest flash point ingredient

## SECTION V - HEALTH HAZARD DATA

### EFFECTS OF OVEREXPOSURE:

EYES: Will cause moderate irritation, swelling and redness.

SKIN: May cause slight irritation, prolonged contact may moderate irritation.

INGESTION: None expected

INHALATION: May irritate eyes, nose and throat

### EMERGENCY AND FIRST AID PROCEDURES:

EYES: Immediately flush with running water for a least 15 min.

SKIN: Remove with dry cloth or paper towel: wash exposed area with soap and water.

INGESTION: NA

INHALATION: Remove victim to fresh air.

## SECTION VI - REACTIVITY DATA

STABILITY: Stable

INCOMPATIBILITY: Water, moisture, humid air.

HAZARDOUS DECOMPOSITION PRODUCTS: Acetic acid

## SECTION VII - SPILL OR LEAK PROCEDURES

IF MATERIAL IS SPILLED: Scrape up and contain for disposal.

WASTE DISPOSAL METHOD: Licensed landfill or incinerator.

# MATERIAL SAFETY DATA SHEET

## SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: Niosh approved respirator for hydrocarbon vapors if exhaust ventilation is not adequate.

VENTILATION: Normal industrial air circulation

SKIN PROTECTION: Plastic or neoprene gloves

EYE PROTECTION: Safety glasses with side shields

OTHER PROTECTIVE EQUIPMENT: Normal clothing and shoes

## SECTION IX - SPECIAL PRECAUTIONS:

AVOID CONTACT WITH MOISTURE

AVOID SKIN AND EYE CONTACT.

AVOID BREATHING VAPORS, MIST, OR FUMES.

ENSURE THAT ALL CONTAINERS ARE PROPERLY LABELED TO PREVENT ACCIDENTAL INGESTION OR IMPROPER DISPOSAL.

RESEAL PARTIALLY USED CONTAINERS.

WASH HANDS WITH SOAP AND WATER BEFORE EATING, DRINKING, OR USING TOILET FACILITIES.

STORE IN COOL (<90F) DRY CONDITIONS, AWAY FROM OPEN FLAMES.

AVOID CONTACT WITH ACIDIC, BASIC, AND OXIDIZING AGENTS.

MAINTAIN CONDITIONS OF GOOD INDUSTRIAL PRACTICE.

**EMPTY CONTAINERS ARE DANGEROUS**- DO NOT CUT, DRILL, GRIND, OR WELD UNLESS THOROUGHLY CLEANED

## SHIPPING INFORMATION:

DOT Proper classification: NONE

Proper shipping name: NONE

Other requirements: NONE

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# MATERIAL SAFETY DATA SHEET

## SECTION I - PRODUCT INFORMATION

PRODUCT NAME(S): GT-3100 RTV

CHEMICAL NAME OR CLASS: One-component RTV silicone rubber

GT Products Inc. Phone Number (817) 481-7113  
501 Industrial Blvd. Fax Number (817) 421-1211  
Grapevine, TX 76051

DATE OF PREPARATION : April 07,1992 BY: R.A.Ford

HMIS CODES:

HAZARD RATINGS:

HEALTH	: 1	4 = SEVERE
FLAMMABILITY	: 0	3 = SERIOUS
REACTIVITY	: 0	2 = MODERATE
		1 = SLIGHT
		0 = MINIMAL

## SECTION II -- HAZARDOUS INGREDIENTS

COMPONENT	AMOUNT*	TLV	CAS NO.
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Proprietary mixture of non-hazardous organopolysiloxanes.

- MAJOR = OVER 25%, MINOR = 6% - 25%, TRACE = UNDER 6%
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## SECTION III - PHYSICAL AND CHEMICAL DATA

BOILING POINT:	non-volatile
VAPOR PRESSURE:	nil
SPECIFIC GRAVITY:	1.04
MELTING POINT:	na
EVAPORATION RATE:	nil
SOLUBILITY IN WATER:	none
APPEARANCE AND ODOR:	extrudable paste with a mild odor

#### SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (METHOD)\*: >61 C (OPEN CUP)

FLAMMABILITY CLASSIFICATION: combustable (will not support combustion)

EXTINGUISHING MEDIA: Use standard fire fighting techniques; water, dry chemical, foam, CO2

(\* ) VALUE FOR MATERIAL OR LOWEST FLASH POINT INGREDIENT

#### SECTION V - HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE:

EYES: May cause some irritation.

SKIN: May cause some irritation, no significant effect.

INGESTION: No information available

INHALATION: Narcotic (dizziness) by evolved vapor

EMERGENCY AND FIRST AID PROCEDURES:

EYES: Immediately flush with running water for a least 15 min.

SKIN: Remove paste with dry cloth or paper towel: wash exposed area with soap and water.

INGESTION: Do not induce vomiting. Call physician

INHALATION: Remove to fresh air

#### SECTION VI - REACTIVITY DATA

STABILITY: Unstable; evolves small amount ketoxime

INCOMPATIBILITY: Avoid moisture (in air) , water

HAZARDOUS DECOMPOSITION PRODUCTS: Trace carbon monoxide

#### SECTION VII -- SPILL OR LEAK PROCEDURES

IF MATERIAL IS SPILLED: Scrape up with any convenient tool and place in container.

WASTE DISPOSAL METHOD: Licensed landfill or incinerator.

#### SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: not needed

VENTILATION: normal industrial air circulation

SKIN PROTECTION: Plastic or rubber gloves

EYE PROTECTION: Safety glasses with side shields

OTHER PROTECTIVE EQUIPMENT: normal clothing and shoes

SECTION IX - SPECIAL PRECAUTIONS:

--AVOID SKIN AND EYE CONTACT. --AVOID BREATHING VAPORS, MIST, OR FUMES.  
--ENSURE THAT ALL CONTAINERS ARE PROPERLY LABELLED TO PREVENT  
ACCIDENTIAL INGESTION OR IMPROPER DISPOSAL. --RESEAL PARTIALLY USED  
CONTAINERS. --WASH HANDS WITH WITH SOAP AND WATER BEFORE  
EATING, DRINKING, OR USING TOILET FACILITIES. --STORE IN COOL (<90F) DRY  
CONDITIONS, AWAY FROM OPEN FLAMES. ---MAINTAIN CONDITIONS OF GOOD  
INDUSTRIAL PRACTICE.

We believe the above information is correct as of the date of this data sheet. However, as this information and the conditions under which the product are used are beyond the control of GT PRODUCTS, INC., it is the user's obligation to determine the conditions for his safe use of the product.

GT Products, Inc.  
**MATERIAL SAFETY DATA SHEET**

PRODUCT

GT Products® GT55 Dispersion

1. PRODUCT AND COMPANY IDENTIFICATION

**Manufactured by:**

GT Products, Inc.  
 501 Industrial Blvd.  
 Grapevine, TX 76051

Telephone: (800) 221-0866  
 (817) 481-7113  
 Fax: (817) 421-1211  
**gtproducts.com**

**Date Prepared/Revised:**  
**Chemical Type/Description:**

13 April 2004

by: MDG  
 Silicone Dispersion

2. HAZARDOUS INGREDIENTS

	% (Approx.)	Exposure Limits	CAS No.
petroleum distillate	50%	varies by components but most restrictive would be: ACGIH – TLV 25 ppm TWA Supplier's Recommendation: PEL 25 ppm (TWA)	Trade Secret
alkyltriacetoxysilanes	1%-3%	none available but generates acetic acid upon hydrolysis – see information below	Trade Secret

This product forms acetic acid upon contact with water or humid air. For acetic acid the OSHA PEL:TWA 10 ppm and ACGIH TLV 10 ppm, STEL 15 ppm.

This product contains Methylpolysiloxanes, which can generate Formaldehyde at approximately 300°F (150°C) and above, in atmospheres which contain oxygen. Formaldehyde is a skin, eye, and throat irritant, is toxic and a potential cancer hazard.

<b>HMIS RATING:</b>	<b>FLAMMABILITY: 2</b>	<b>REACTIVITY: 1</b>	<b>HEALTH: 2</b>
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3. EFFECTS OF EXPOSURE

**Potential Health Effects:**

- Ingestion:** Aspiration may occur when swallowed or vomited. Serious lung damage and possibly fatal chemical pneumonia could develop.
- Skin Contact:** Slight skin irritation is expected. Contact dermatitis can occur after prolonged exposure.
- Inhalation:** Irritating if inhaled. Breathing high vapor concentrations can cause central nervous system depression resulting in dizziness, light-headedness, headache, nausea, and loss of coordination. Continued inhalation may result in unconsciousness or death.
- Eye Contact:** Vapors may irritate.

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4. FIRST AID MEASURES

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- Ingestion:** Do not induce vomiting. If vomiting does occur, keep head below hips to prevent aspiration of liquid into lungs. Call a physician.
- Skin:** Remove with dry towel, then wash with soap and water.
- Eyes:** Rinse 15 minutes with running water. Seek medical attention if irritation persists.
- Inhalation:** Remove to fresh air and provide oxygen if needed. Call a physician.
- Other:** Not applicable.
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5. FIRE FIGHTING INFORMATION

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- Flash Point (Method):** >105°F and <120°F (Setaflash).
- Flammability Class:** Combustible Liquid Class II.
- Flammability Limits in Air:** Not available.
- Extinguishing Media:** Foam, Dry Chemical, CO<sub>2</sub>. Do not use water.
- Hazardous Combustion Products** CO, CO<sub>2</sub>, SiO<sub>2</sub>, H<sub>2</sub>CO.
- Special Fire Fighting Notes:** Use a self-contained breathing apparatus and full protective equipment and clothing.
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6. ACCIDENTAL RELEASE MEASURES

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Turn off all ignition sources and ventilate. Pick up spilled material with an inert absorbent. Wash area thoroughly with water and detergent.

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7. HANDLING AND STORAGE

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- Handling:** Avoid heat, flames, or sparks. Vapors are heavier than air and can migrate to distant ignition sources. Ground containers and all transfer equipment to prevent static build up.
- Storage:** Store in a well-ventilated area at temperatures below 90°F. Keep container tightly closed. Keep headspace blanketed with dry air or nitrogen to prevent material cure. Keep from freezing.
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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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**Engineering Controls:** Good general ventilation.

**Personal Protective Equipment**

- Eyes:** Chemical safety glasses with side shields.
- Skin:** Rubber apron. Rubber or plastic gloves.
- Inhalation:** Local exhaust is required. Use respirator with organic vapor/acid gas (yellow) cartridges where local exhaust is insufficient..

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9. PHYSICAL AND CHEMICAL PROPERTIES

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**Physical State:** Flowable liquid.  
**Color:** Red.  
**Odor:** Solvent.  
**Boiling Point:** Not available.  
**Vapor Density:** > 1.  
**Specific Gravity:** 0.91.  
**Solubility in Water:** None – product reacts (non-violently) with water.

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10. STABILITY AND REACTIVITY

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**Chemical Stability:** Stable in the absence of moisture.  
**Hazardous Polymerization:** Will not occur.  
**Decomposition Products:** For fire conditions, see section 5. Exposure to moisture produces acetic acid [64-19-7]  
**Materials to Avoid:** Moisture and strong oxidizing agents.  
**Conditions to Avoid:** Heat and flame.

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11. TOXICOLOGICAL INFORMATION

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See section 3.

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12. ECOLOGICAL INFORMATION

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None available.

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13. DISPOSAL CONSIDERATIONS

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Disposal should be made in accordance with state and local regulations.

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14. TRANSPORT INFORMATION

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**DOT SHIPPING NAME:** Silicone mixture, contains petroleum distillates N.O.S.  
**DOT HAZARD CLASS:** **Combustible liquid** (not regulated if container <119 gallons) when shipped **by ground** (fp>100°F) – **flammable liquid** (Fp<141°F) is shipped **by air**.  
**UN/NA Number:** UN1268 (if flammable) NA1268 if >119 gallons by ground.

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15. REGULATORY INFORMATION

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**TSCA INVENTORY STATUS:** This material or all of its contents are listed on the Toxic Substances Control Act (TSCA)

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## 16. OTHER INFORMATION

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